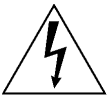
LTC 1271 Series

Security Systems

EN | Instruction Manual
Corner Mount

BOSCH

SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN!

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT OPEN COVERS. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This label may appear on the bottom of the unit due to space limitations.

The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

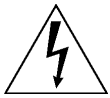
The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS TO RAIN OR MOISTURE.

Attention: Installation should be performed by qualified service personnel only in accordance with the National Electrical Code or applicable local codes.

24 VAC Units: Do Not Exceed 30 VAC Input. Voltage applied to the unit's power input should not exceed 30 VAC. Normal input voltage is 24 VAC. User supplied wiring from 24 VAC supply to unit must be in compliance with electrical codes (Class 2 power levels). Do not ground 24 VAC supply at power supply terminals or at unit's power supply terminals.

SECURITE



ATTENTION

RISQUE Dí OCUTION.
NE PAS OUVRIR

DANGER: POUR ÉVITER TOUT RISQUE D'ÉLECTROCUTION, NE PAS OUVRIR LE BOÎTIER. IL N'Y A PAS DE PIÈCES REMPLAÇABLES À L'INTÉRIEUR. POUR TOUTE RÉVISION, S'ADRESSER À UN TECHNICIEN SPÉCIALISÉ.

En raison de limitation de place, cette étiquette peut être placée sur le dessous de l'appareil.

L'éclair fléché dans un triangle équilatéral, avertit l'utilisateur de la présence d'une "tension dangereuse" non isolée à l'intérieur de l'appareil et d'une valeur suffisante pour constituer un risque d'électrocution.

Le point d'exclamation contenu dans un triangle équilatéral, avertit l'utilisateur de la présence, dans la documentation qui accompagne l'appareil, de consignes d'utilisation et de maintenance importantes.

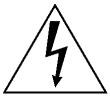
ATTENTION: POUR ÉVITER LE RISQUE D'ÉLECTROCUTION OU D'INCENDIE, NE PAS EXPOSER À LA PLUIE OU À L'HUMIDITÉ UN APPAREIL.

Attention: L'installation doit être effectuée uniquement par du personnel de service qualifié conformément à la réglementation du Code Electrique National ou à la réglementation locale.

Appareils 24 VCA

Ne pas excéder 30 VCA. La tension appliquée à l'entrée d'alimentation de l'appareil ne devrait pas excéder 30 VCA. Toute installation électrique fournissant du 24 Volts courant alternatif doit être conforme aux codes électriques. (Niveaux d'alimentation de la Classe 2). Ne pas brancher une prise de terre sur les bornes d'alimentation 24 Volts ou aux bornes d'alimentation de l'appareil.

SICHERHEITSVORKEHRUNGEN



VORSICHT

STROMSCHLAGGEFAHR!
BITTE NICHT ÖFFNEN!

VORSICHT: UM EINEN ELEKTRISCHEN SCHLAG ZU VERMEIDEN, ABDECKUNG NICHT ENTFERNEN. WARTUNGEN ALLER ART QUALIFIZIERTEM PERSONAL ÜBERLASSEN.

Aus Platzgründen kann diese Warnung auf der Unterseite des Gerätes angebracht sein.

Das Blitzsymbol im gleichseitigen Dreieck soll den Benutzer auf nicht isolierte "Hochspannung" im Gehäuse aufmerksam machen, die eventuell stark genug ist, um einen elektrischen Schlag zu verursachen.

Das Ausrufezeichen im gleichseitigen Dreieck soll den Benutzer auf wichtige Bedienungs- und Wartungsanleitungen in der dem Gerät beigefügten Literatur aufmerksam machen.

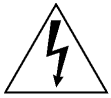
WARNUNG: UM FEUER ODER ELEKTRISCHE SCHLÄGE ZU VERMEIDEN, SETZEN SIE DAS GERÄT NIEMALS REGEN ODER FEUCHTIGKEIT AUS.

Achtung! Die Installation sollte nur von qualifiziertem Kundendienstpersonal gemäß jeweilig zutreffender Elektrovorschriften ausgeführt werden.

24 VAC Geräte

Achtung! 30 Volt Eingangswechselspannung darf für 24 VAC Modelle nicht überschritten werden. Normal-betrieb findet bei 24 Volt Wechselspannung statt. Die Kabel- bzw. Drahtverbindung vom Netzgerät zu dem vor-liegenden Gerät muß die Bestimmungen der Schutz-klasse II erfüllen. Nicht die 24-Volt-Leitung erden weder am Netzgerät noch an den Anschlußklemmen des vorliegenden Gerätes

PRECAUCIONES DE SEGURIDAD



PRECAUCION

¡PELIGRO DE DESCARGAS ELECTRICAS, NO ABRIR!

PRECAUCION: PARA REDUCIR EL RIESGO DE CHOQUE ELÉCTRICO, FAVOR NO ABRIR LA CUBIERTA. ESTE EQUIPO NO CONSTA DE PIEZAS O PARTES QUE REQUIEREN SERVICIO O MANTENIMIENTO. PARA REPARACIONES FAVOR REFERIRSE A UN TÉCNICO CALIFICADO.

Debido a limitaciones de espacio, esta etiqueta puede aparecer en la parte inferior de la unidad.

El símbolo representado por un relámpago con punta de flecha dentro de un triángulo equilátero, se muestra con el objetivo de alertar al usuario que existen "voltages peligrosos" sin aislamiento, dentro de la cubierta de la unidad. Dichos voltages pueden ser de tal magnitud que constituyen un riesgo de choque eléctrico a personas.

El símbolo de exclamación dentro de un triángulo equilátero, se muestra con el objetivo de alertar al ususario de que instrucciones de operación y mantenimiento importantes acompañan al equipo.

PELIGRO: PARA EVITAR EL PELIGRO DE INCENDIO Ó CHOQUE ELÉCTRICO, NO EXPONGA A LA LLUVIA Ó HUMEDAD.

Atención: La instalación de este equipo debe ser realizada por personal capacitado, solo en acuerdo, y en cumplimiento de normas del "National Electric Code" (Código Eléctrico Nacional) ó las normas del Gobierno Nacional Local.

Unidades de 24 VCA

No exceder 30 VCA de entrada. Voltage suplido a la unidad no debe exceder 30 VCA. Voltage de entrada normal es de 24 VCA. El cableado de 24 VCA provisto por el usuario debe cumplir con las normas eléctricas (Clase 2 de niveles de alimentación). No conectar los 24 VCA a tierra en las terminales de la alimentación ó a las terminales de la fuente de alimentación de la unidad.

FCC & ICES INFORMATION

(U.S.A. and Canadian Models Only)

WARNING - This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules and ICES-003 of Industry Canada. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Intentional or unintentional changes or modifications not expressly approved by the party responsible for compliance shall not be made. Any such changes or modifications could void the user's authority to operate the equipment.

If necessary, the user should consult the dealer or an experienced radio/television technician for corrective action. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No.004-000-00345-4.

Warning: This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

1. UNPACKING

Unpack carefully. This is an electromechanical device and should be handled carefully. Check to ensure that the following items are included:

- Housing
- Camera Module
- Hardware Kit:
  Extra tamper-resistant screw
  Tamper-resistant hex bit wrench
  2 conduit hole plugs.

2. SERVICE

If the unit ever needs repair service, the customer should contact the nearest Bosch Security Systems, Inc. Service Center for authorization to return and shipping instructions.

Service Centers

U.S.A.: 800-366-2283 or 408-956-3895
Fax: 800-366-1329 or 408-956-3896
Email: NationalServiceCenter@ca.slr.com
Canada: 514-738-2434
Europe, Middle East & Asia Pacific Regions
800-366-2283

For additional information, see www.boschsecuritysystems.com

3. DESCRIPTION & SPECIFICATIONS

The LTC 127x Series Corner Phortress units are small, high security surveillance cameras for corner applications.

ELECTRICAL Model No.	Description	Voltage Range	Power
PAL:			
LTC 1271/10C	Color, varifocal	21 to 27 VAC, 50 Hz or 11 to 13 VDC	3.0 W
LTC 1271/10CS	Color, varifocal	21 to 27 VAC, 50 Hz or 11 to 13 VDC	3.0 W
LTC 1271/10CF	Color Varifocal	21 to 27 VAC, 50Hz	6.6W
LTC 1271/10CSF	Color Varifocal	21 to 27 VAC, 50Hz	6.6W
NTSC:			
LTC 1271/20C	Color, varifocal	21 to 27 VAC, 60 Hz or 11 to 13 VDC	3.0 W
LTC 1271/20CS	Color, varifocal	21 to 27 VAC, 60 Hz or 11 to 13 VDC	3.0 W
LTC 1271/20CF	Color Varifocal	21 to 27 VAC, 60Hz	6.6W
LTC 1271/20CSF	Color Varifocal	21 to 27 VAC, 60Hz	6.6W

CAMERA

Horizontal Resolution: 480 TVL.

LENS

Focal Length: Integral 2–4 mm varifocal.
Iris: Auto DC control iris; F1.6–200 iris range.
Format: 1/4-inch.

MECHANICAL

Construction/Finish: Polycarbonate dome and cast aluminum housing.

4. INSTRUCTIONS

1. Check to make sure you have received the corner Phortress housing and the separate camera module.
2. Disassemble housing using provided security wrench.
3. Using rear cover as a template, mark screw holes on the corner wall (see **Figure 1**).

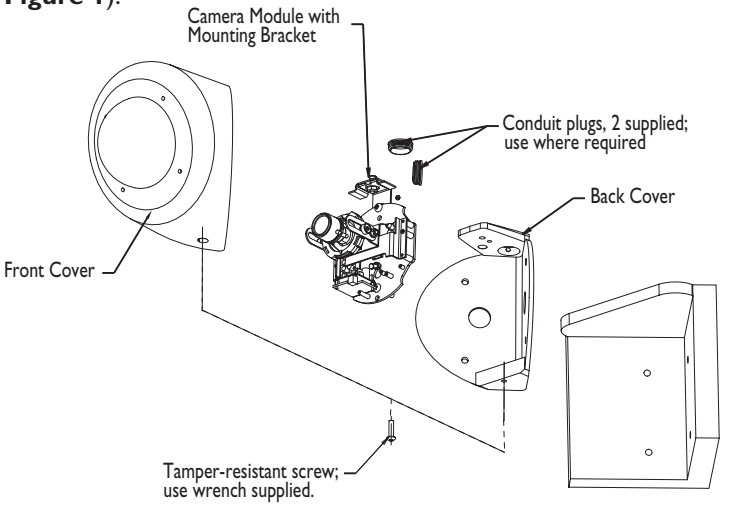


Figure 1 LTC 1271 Corner Phortress

4. Decide which conduit hole will be used and plug remaining openings using the 2 plugs provided in the hardware kit. The conduit plug on top of the unit may be secured by tightening the set screw at the back of the rear cover. This must be done before the back cover is secured to the wall. Use a 2.5 mm Hex Key (not supplied).
5. Drill hole for conduit and run wiring.
6. Use 6 mm (1/4-inch) bolts with appropriate anchors for the type of wall construction.

WARNING: THE CORNER PHORTRESS CAN WITHSTAND 300 LB OF STATIC DOWNWARD LOAD IF APPROPRIATE BOLTS AND ANCHORS ARE EMPLOYED.

7. Remove the camera module from packaging.
8. Loosen the nut located on the back plate approximately 6 turns without removing, and insert camera bracket between the nut and retaining bracket (see **Figure 2**).

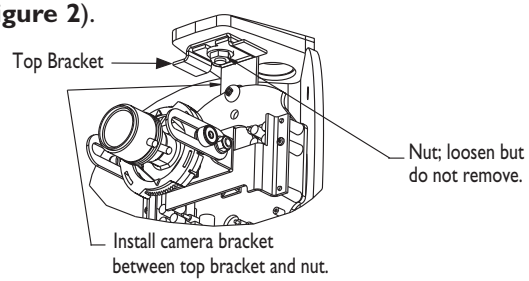


Figure 2 Rear Plate Exploded View

9. Tighten nut securely.
10. ***Adjustability:*** Camera/lens is fully adjustable. See (**Figure 3)** for adjustment points.

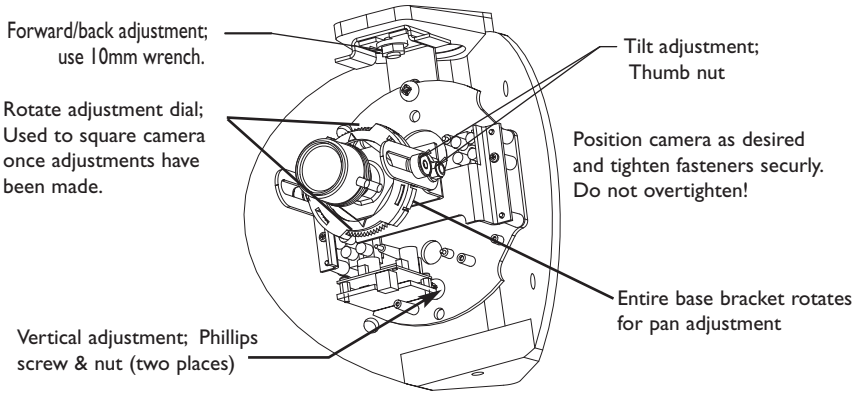

Forward/back adjustment; use 10mm wrench.
Rotate adjustment dial; Used to square camera once adjustments have been made.
Vertical adjustment; Phillips screw & nut (two places)
Tilt adjustment; Thumb nut
Position camera as desired and tighten fasteners securly. Do not overtighten!
Entire base bracket rotates for pan adjustment

Figure 3 Camera Position Adjustment Points

11. Replace cover and secure using the supplied tamper-resistant screw (See **Figure 1**).

5. CAMERA AND LENS SETTINGS

Camera module has various settings for any additional adjustments that may be required. See figure 4 and 5 for adjustment locations.

5.1 Phase Adjust

The phase adjust control is located on the power board next to power cable connections (see figure 4). To adjust phase, use a small screwdriver to rotate control (blue block with yellow screw hole) until picture is synchronized with other cameras in the system.

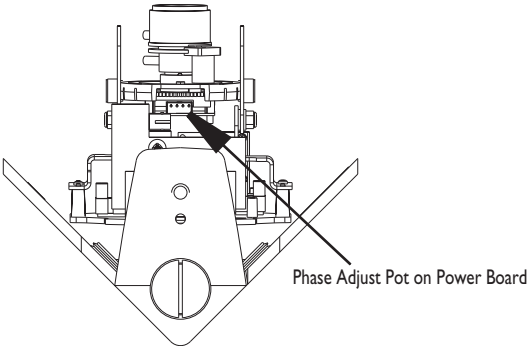


Figure 4 Camera Assembly

5.2 Dip Switch Location

See Detail B for dip switch information.

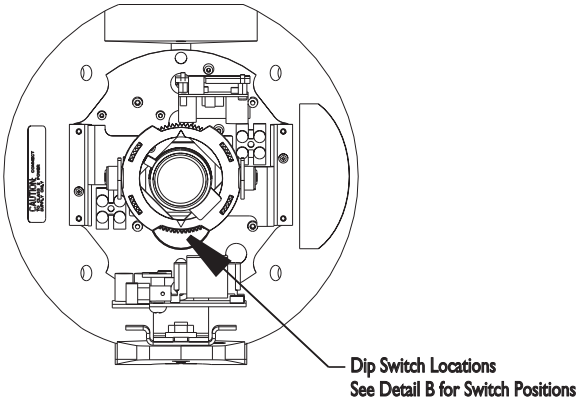
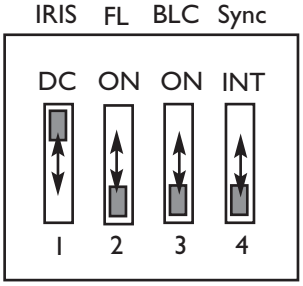


Figure 5 Dip Switch Location

DETAIL B
The following chart diagrams the selectable dip switches and their respective functions:

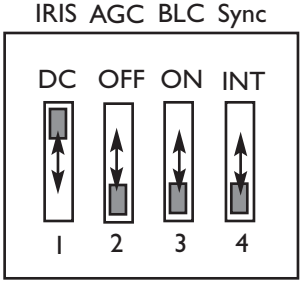
Color Camera



Note: ■ is factory set up

1	IRIS	DC	DC IRIS
		AES	AES
2	Flickerless (FL)	ON	Shutter speed to be fixed at 1/100 sec.
		OFF	Normal position
3	Backlight Compensation (BLC)	ON	Set to this position when a strong light is in the back ground.
		OFF	Normal position
4	Synchronization Mode	INT	Internal Synchronization mode
		L.L.	Line lock mode

Black & White Camera

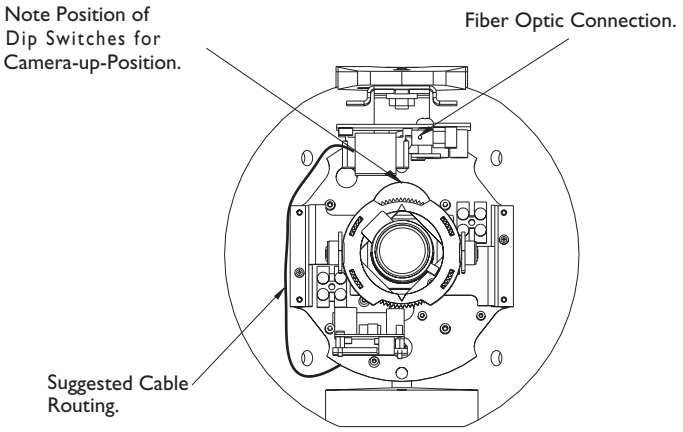


Note: ■ is factory set up

1	IRIS	DC	DC IRIS
		AES	AES
2	Auto Gain Control (AGC)	OFF	Gain Level to be fixed at min.
		ON	Set to this position to improve camera sensitivity in low light conditions.
3	Backlight Compensation (BLC)	ON	Set to this position when a strong light is in the back ground.
		OFF	Normal position
4	Synchronization Mode	INT	Internal Synchronization mode
		L.L.	Line lock mode

6. FIBER OPTIC CONNECTION

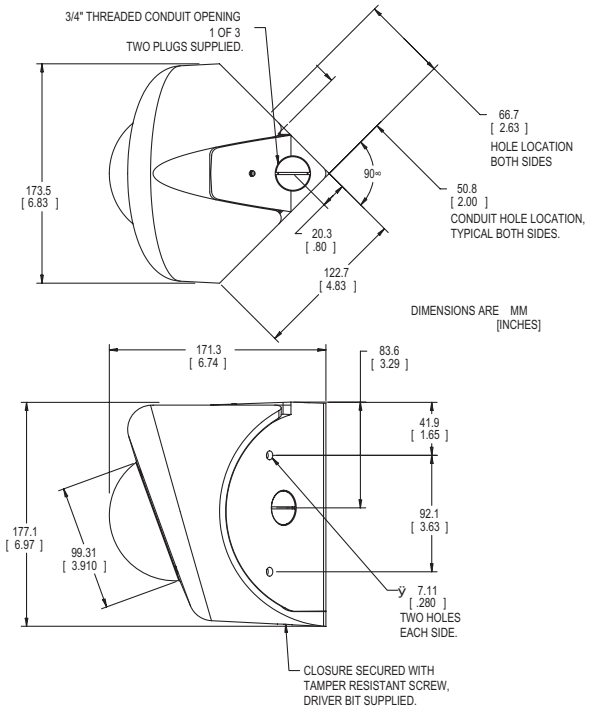
For Fiber Optic Models, Avoid Tight Bends in the Fiber Cable. Connect Camera and Fiber Module to the same 24VAC Power Source



7. REPLACEMENT PARTS

Part no.	*Qty*	*Part Description*
315 3460 001	1	Dome Bubble, Gray Tint
315 3460 002	1	Dome Bubble, Clear
315 4372 504	1	Camera/Lens Assembly & Mounting Bracket (Color, 2–4 mm lens, 50Hz)
315 4372 503	1	Camera/Lens Assembly & Mounting Bracket (Color, 2–4 mm lens, 60Hz)
315 3651 010	1	Front Cover & Dome Assembly
315 3651 011	1	Front Cover & Dome Assembly
315 3651 012	1	Fiber Optic Module with Mount Bracket
315 3466 802	1	Tamper-resistant Hex Bit

8. DIMENSIONAL OUTLINE



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